

Claims:

Claims 1-2 (canceled)

3) (Currently Amended) An infrared heating apparatus for surface heating, the apparatus comprising of at least one infrared module which can revolve on at least two cartesian coordinate axes and wherein each said at least one module contains one or more infrared heaters, wherein the major dimension of any heater defines a x-axis,

and,

each module is joined to at least one rotation swivel point such that a 360 degree rotation on an axis normal to the x-axis and a 180 degree rotation on the x-axis is allowed, and at least one module is attached to at least two swivel points and where at least one swivel point for a 360° rotation lies on a non-radiation side of the module, and the said apparatus may be used at its fully rated power in all configurations.

4) (Currently Amended) The apparatus of claim 3 with a flexible frame comprising at least two or more orthogonal swivel points.

Claims 5-6 (canceled)

- 7) (Previously Presented) The apparatus of claim 3 for use as a die heater.
- 8) (Previously Presented) The apparatus of claim 3 for use as a paper dryer.
- 9) (Previously Presented) The apparatus of claim 3 for use as a paint remover.
- 10) (Previously Presented) The apparatus of claim 3 for use with a convective heating generator.
- 11) (Previously Presented) The apparatus of claim 3 for use with convective ionized gas.